

### KEY TO FLOWERS PROVES POPULAR

A "BEST SELLER" at the Academy is "A Key to the Common Families of Flowering Plants in California" by Alice Eastwood, head of the Academy's Botany Department. This small booklet published some time ago by the California Botanical Club is in demand as a concise key to California plants. Appended are several lists of families classified by characteristics which they have in common. Also added is a guide for the analysis and description of flowering plants. It sells for 25 cents.



### STUDENT MEMBERS MEET ON OCTOBER 9

ON FRIDAY EVENING, October 9, student members of the Academy will meet in Room 214, Simson African Hall, in Golden Gate Park, at 8:00 o'clock. Following a short business meeting, Mr. Robert Potts will speak on "A Naturalist's Travels in Mexico," illustrating his talk with lantern slides in Kodachrome.

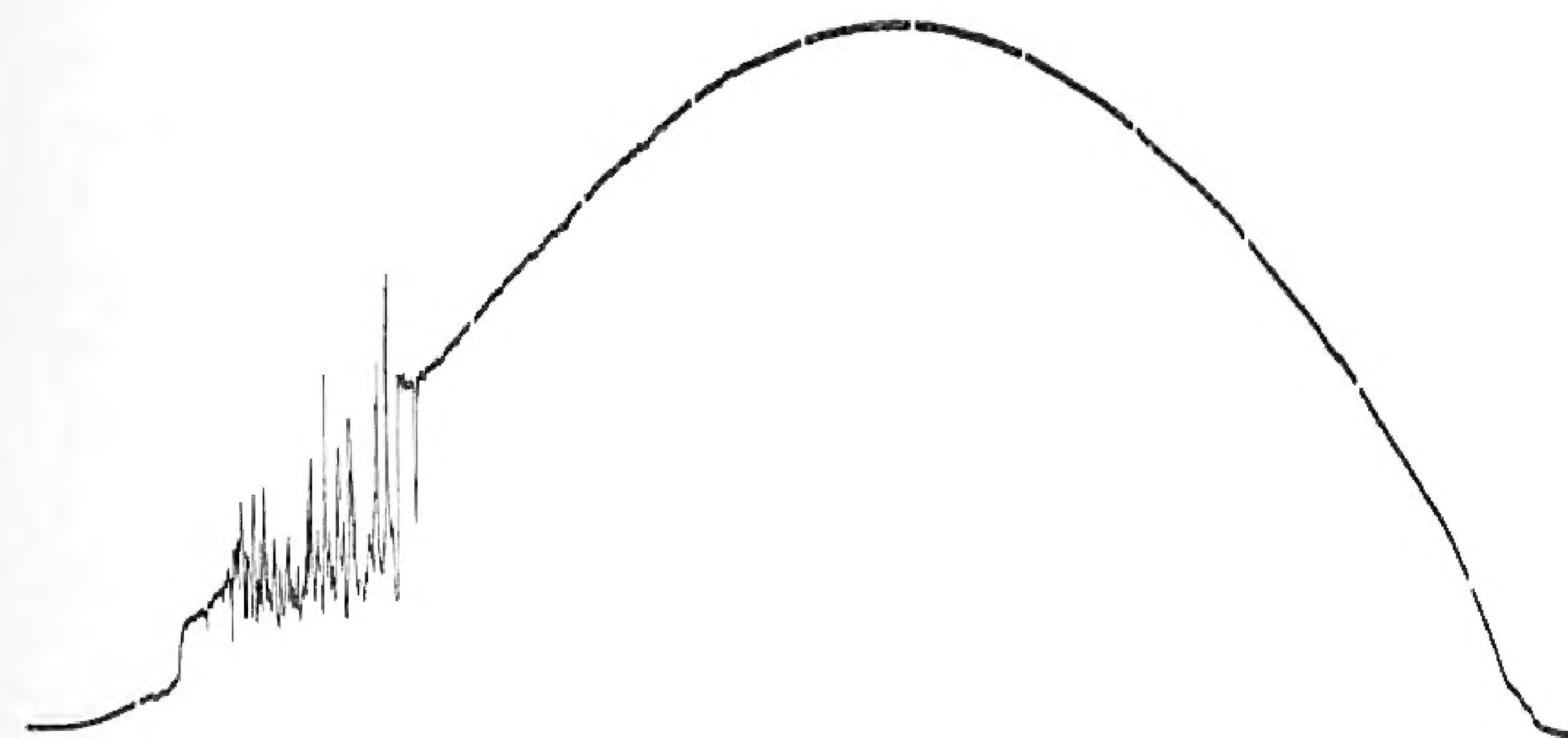
This is the first meeting of student members following the summer vacation. Members are urged to attend and to bring guests.

SECTION 562 P.L. & R.

# ACADEMY NEWS LETTER

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"CLEAR, WITH MORNING FOG"

A summer day takes its own picture.

(See page 2)

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# CALIFORNIA ACADEMY OF SCIENCES

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## *October Announcement*

THE REGULAR OCTOBER MEETING of the California Academy of Sciences will be held in Room 214, SIMSON AFRICAN HALL on WEDNESDAY AFTERNOON, October 7, 1942, at 3:30 o'clock. The speaker will be Dr. Robert C. Miller, Director of the California Academy of Sciences, who will take as his subject:

### SOME BIOLOGICAL EFFECTS OF DAYLIGHT

Daylight is something we commonly take for granted. The average citizen is vaguely aware that the amount of daylight we receive varies considerably from season to season, and from day to day, with changes in the weather. But if he were asked, "What was the intensity of daylight at Union Square at three o'clock in the afternoon on September 21?" he would have little idea how to answer. He would not need to feel particularly embarrassed at his ignorance, however, because it is highly improbable that anybody in the world can provide the exact answer to such a question.

We say "highly improbable" rather than "impossible," because the speaker of the afternoon was once called on to answer just such a question in a legal case involving the amount of illumination at the scene of an accident, and was able to provide the answer on the basis of light measurements he chanced to have made for an entirely different purpose.

Dr. Miller's investigations of the biological effects of light have covered more than a decade, and have involved such diverse projects as the measurement of morning twilight in relation to the time of awakening of birds, the study of seasonal variations in the intensity of daylight, and the effect of microscopic organisms on penetration of light into natural waters. He was recently designated as chairman of a permanent Committee on Natural Illumination formed under the auspices of the Academy.

The graph forming the cover design of this NEWS LETTER illustrates the type of record obtained with a recording illuminometer which the Academy set up some months ago at a selected locality. Dr. Miller will explain the applications

of this type of information to various biological problems, and to such fields as architecture, illuminating engineering, photography, and prediction of weather.

The public is cordially invited to hear Dr. Miller.



### APPLICATIONS FOR MEMBERSHIP

NOTICE is hereby given to all CORPORATE MEMBERS that the Council at its meeting, September 18, 1942, approved the applications of Dr. Irving S. Ingber and Mr. Charles Page for MEMBERSHIP and Mr. Marvin Tumlin for STUDENT MEMBERSHIP in the California Academy of Sciences. If no objection to the election of these applicants be received at the office of the Academy within two weeks after October 1, 1942, they will be considered elected.



### DOCTOR LEAKE TAKES NEW POSITION

DR. CHAUNCEY D. LEAKE, Professor of Pharmacology in the University of California Medical School since 1928 and Librarian of the California Academy of Sciences since 1938, has accepted the post of Executive Vice-President of the University of Texas, in charge of the Medical School at Galveston.

It is no exaggeration to say that Dr. Leake, during his residence here, was one of San Francisco's best known and best loved citizens. He was a supporter of every good work. His services as Librarian and as a member of the Academy's Council will be sorely missed.

Members of the Academy join with Dr. Leake's great host of other friends in wishing him abundant success in his new position.



### CALIFORNIA JADE ON DISPLAY

THE largest piece of North American jade ever exhibited—125 pounds of jade—is now on exhibit at the Academy's museum. This fine piece, which was discovered in Monterey County, has been loaned to the Academy by Mr. M. Vonsen of Petaluma. Mr. Vonsen holds appointment as Honorary Curator of Minerals in the Academy.



### PLANTS DONATED TO THE ACADEMY

MRS. H. C. CANTELOW, of San Francisco and Ross, has donated to the herbarium of the California Academy of Sciences plants which she and Mr. Cantelow collected on a recent trip through the western states. The collection contains some 600 specimens from Colorado, 400 from Wyoming, and many from Idaho, Nevada, and Utah. Mrs. Cantelow is a member of the California Botanical Club.